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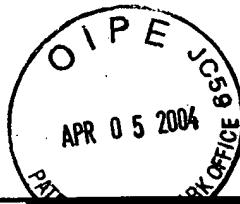
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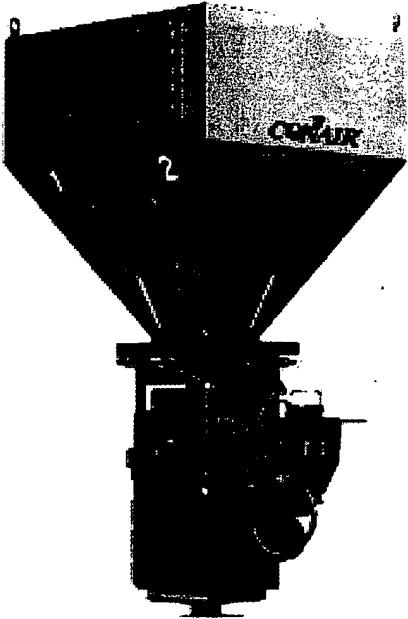
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GRAVIMETRIC BATCH BLENDERS

AutoWeigh GB24X and GB44X Models



ACCURATELY BLEND MID-SIZE BATCHES OF UP TO 6 MATERIALS

Get accurate blends, better mixing, easy cleanout, faster material changes and more profits with AutoWeigh GB series blenders.

Steep-sided component bins allow material to flow evenly into the weigh chamber with less chance of bridging over the discharge. The microprocessor-based control automatically calibrates after every cycle and compensates for variations in dispense method or material density and particle geometry. Standard convenience features, such as drainports and wide access doors on each component bin, reduce material waste and down time during clean out.

Throughputs up to 1645 pounds per hour

GB240 and GB440 blenders offer medium-to-large injection molders and small-to-medium extruders a superior way to blend color and additives centrally or at the throat of the processing machine.

The blender dispenses up to six materials from the four component bins and optional feeders into a single weigh bin. The control derives the correct weight to dispense based on material percentages you enter. Up to 99 blend recipes can be entered and stored in the control.

Fast-acting slide gates precisely control the amount of material released to the weigh bin.

Choose between a 4-position or 12-position control. Options include low level sensors in component bins; floor stands; flow control valves; and remote control kits.

■ BLEND ACCURACY TO 1/2 OF 1%

Colorant and additive weights are held to within 0.5% of the requested ratio. The control automatically calibrates after each cycle and corrects for variations in material and dispensing.

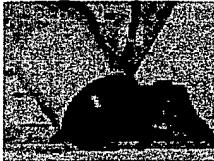
■ EASY TO USE CONTROL

Enter the percentages of the blend using the thumbwheel switches or keypad. The blender does the rest. The system automatically adds ingredients in the proper ratio and maintains the correct level of material in the mix chamber.

■ FULLY SELF-CALIBRATING

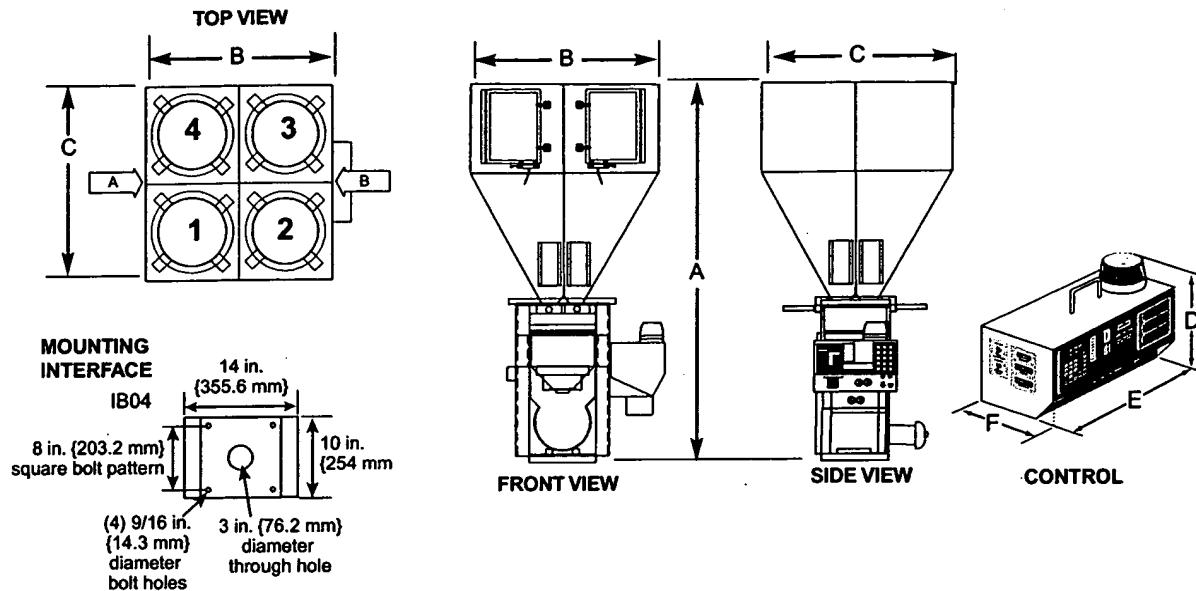
The blender control automatically calibrates for material variations such as changes in bulk density, particle geometry, resin type and variations in dispense methods.

■ CONVENIENT, NO-TOOLS CLEAN OUT



Drainports and electrically interlocked access doors provide fast, safe cleaning of component bins. The weigh bin, mix blade and mix chamber slide out for easy cleaning. Change color or additive quickly with removable feeders and feed bins.

SPECIFICATIONS

GRAVIMETRIC BATCH BLENDERS
AutoWeigh GB24X and GB44X Mod 1s

MODELS	GB240	GB241	GB242	GB440	GB441	GB442
Performance characteristics						
Batch size lbs (g)	4.4 (2000)	4.4 (2000)	4.4 (2000)	8.8 (4000)	8.8 (4000)	8.8 (4000)
Maximum throughput lbs/hr (kg/hr)*	993 (451)	678 (308)	518 (235)	1645 (748)	983 (446)	704 (319)
Bin capacity - main ingredient ft ³ (liter)	3.5 (99.12)	3.5 (99.12)	3.5 (99.12)	3.5 (99.12)	3.5 (99.12)	3.5 (99.12)
Bin capacity - minor ingredient ft ³ (liter)	NA	0.5 (14.16)	0.5 (14.16)	NA	0.5 (14.16)	0.5 (14.16)
Maximum number of materials	4	5	6	4	5	6
Number of discharge valves	4	4	4	4	4	4
Number of bin compartments	4	4	4	4	4	4
Number of additive feeders	0	1	2	0	1	2
Control software (# of components)	4 or 12	12	12	4 or 12	12	12
Dimensions inches (mm)						
A - Height above mounting plate†	59.75 (1517.5)	59.75 (1517.5)	59.75 (1517.5)	65.75 (1669.9)	65.75 (1669.9)	65.75 (1669.9)
B - Width ‡	34 (863.6)	34 (863.6)	34 (863.6)	34 (863.6)	34 (863.6)	34 (863.6)
C - Depth ‡	34 (863.6)	34 (863.6)	34 (863.6)	34 (863.6)	34 (863.6)	34 (863.6)
D - Controller height	11.25 (285.75)	11.25 (285.75)	11.25 (285.75)	11.25 (285.75)	11.25 (285.75)	11.25 (285.75)
E - Controller width	12.25 (311.15)	12.25 (311.15)	12.25 (311.15)	12.25 (311.15)	12.25 (311.15)	12.25 (311.15)
F - Controller depth	8.19 (208.03)	8.19 (208.03)	8.19 (208.03)	8.19 (208.03)	8.19 (208.03)	8.19 (208.03)
Weight lbs (kg)						
Installed	230 (104)	270 (122)	310 (140)	255 (116)	295 (134)	335 (152)
Shipping	335 (152)	375 (170)	415 (188)	360 (163)	400 (181)	440 (200)
Voltage Total amps						
120V/1 phase/50-60 Hz	4.8	5.8	6.8	4.8	5.8	6.8
240V/1 phase/50-60 Hz	2.5	3.0	3.5	2.5	3.0	3.5
Compressed air requirements						
Discharge valves	80 psi @ 0.2 ft ³ /min. (5.5bars @ 0.09 liters/sec), 1/4 in. NPT fitting					
Compressed air feeder	40 psi @ 2 ft ³ /min. (2.8bars @ 0.94 liters/sec), 1/4 in. NPT fitting					

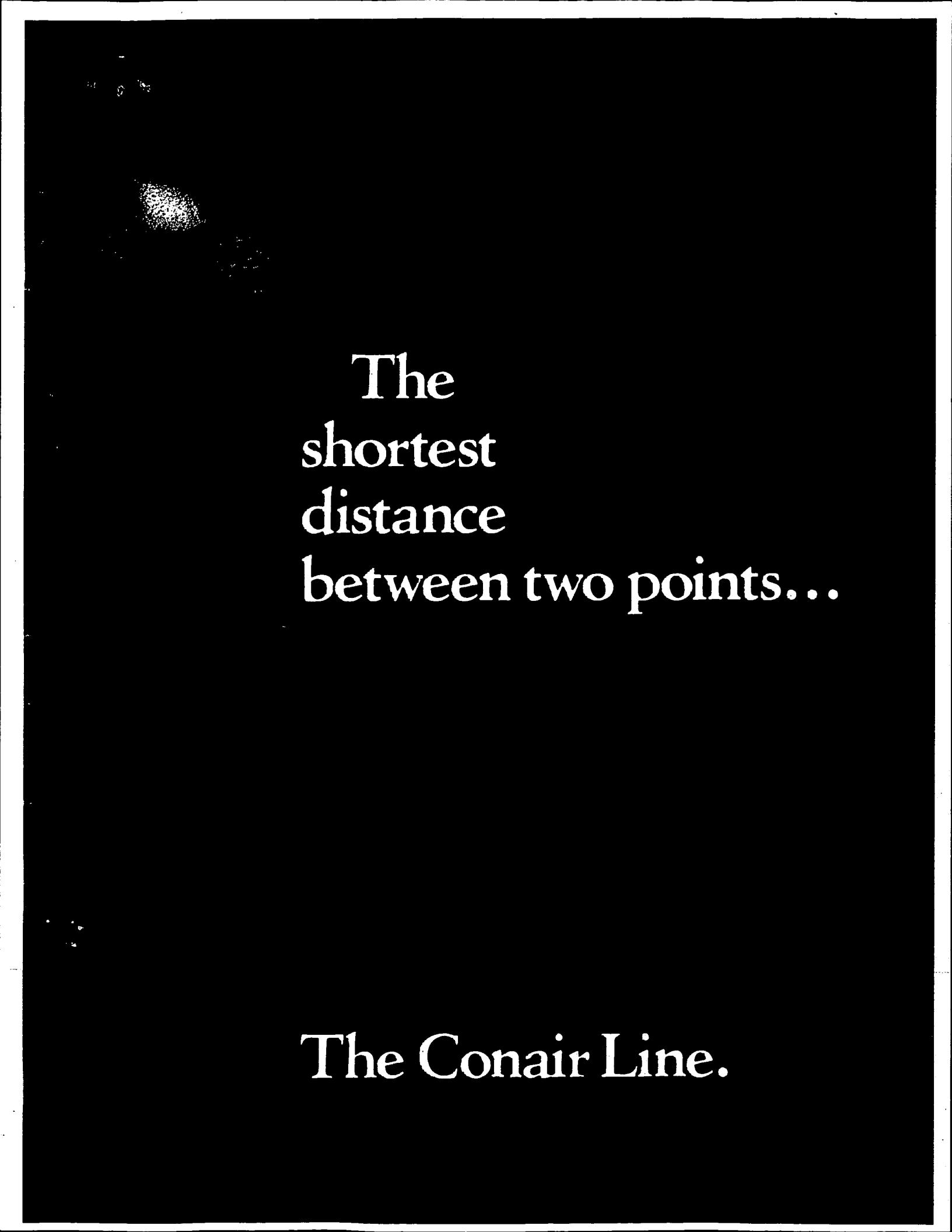
SPECIFICATION NOTES:

Each bin compartment can support a 12-inch to 15-inch loader or vacuum receiver.

* Throughput rates are based on using no more than 2% additive or colorant material total in either the CAF3 compressed air or F03 auger feeder. Always refer to the selection guide for specific throughput information.

† The optional flow control valve adds 6.5 in. (165 mm) to the total height. We recommend using the flow control valve when mounting the blender to a stand, surge bin or hopper.

‡ Feeders will increase width and depth dimensions. Please refer to feeder specifications.



The
shortest
distance
between two points...

The Conair Line.

The Conair Line...dedicated to helping you get the most from your primary equipment.

At The Conair Group, we're specialized experts at developing and manufacturing the highest quality auxiliaries. Yet big enough and smart enough to bring together the very best—from a single component to total systems—all designed to make your primary equipment more profitable and productive.

So we've summarized vital information on these products, so you can specify them with your next primary equipment purchase.

BULK RESIN STORAGE SYSTEMS

Assure resin availability—improve quality and profitability

C1

IN-PLANT RESIN CONVEYING

Automated material flow components and systems assure uniform delivery

C2-C3

ADDITIVE FEEDING AND BLENDING

Improve end product quality with precision blenders and feeders

C4-C5

DRYERS

Assure processability, repeatability—minimize scrap with closed-loop drying systems

C6-C7-C8-C9

LIQUID CHILLERS

Reliable sources of chilled water for process cooling and hydraulics assure uniformity

C10-C11

LIQUID TEMPERATURE CONTROLS

Unitized design and flexible control plugs leaks in your profitability

C12-C13

ROBOTS FOR INJECTION MOLDERS

Robotics increase press uptime and profitability in custom or captive molding

C14-C15-C16-C17

CONVEYORS AND SEPARATORS

Improve manufacturing flexibility in molding operations—efficiently and effectively

C18-C19

GRANULATORS AND SHREDDERS

Increase profitability and throughput by regrinding waste with quality granulators and shredders

C20-C21

DOWNSTREAM PROFILE/TUBING AUXILIARIES

Increase profile, pipe and tubing throughput and consistency with downstream auxiliaries

C22-C23-C24-C25

SCREENCHANGERS

Reduce resin contamination and assure uniform melt conditions

C26

PELLETIZERS

Whether in-house reclaim, compounding or resin production—Conair pelletizers assure maximum flexibility and uptime

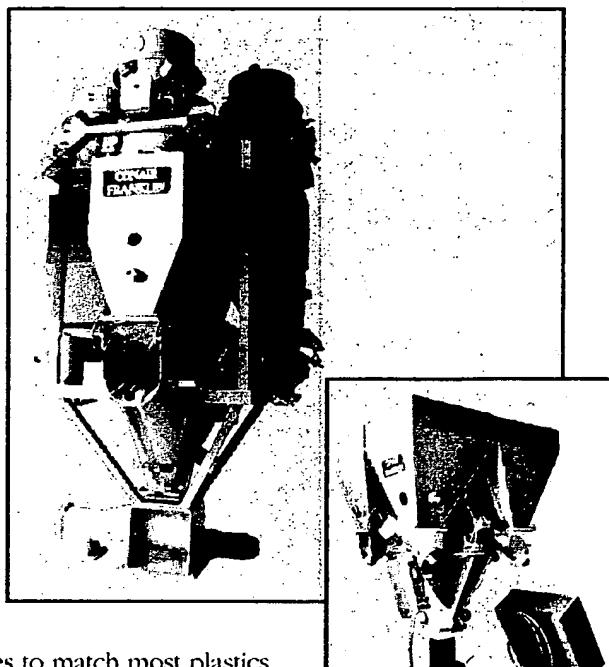
C27-C28

Improve end product quality with precision blenders and feeders

Today, next to material selection, metering and blending rank as the most important factors in determining product quality—especially for complex products. New polymers, expensive additives, and recycling have become commonplace and dictate the need for new techniques in metering and blending. These new techniques—gained through volumetric or gravimetric blenders—allow multiple processor benefits:

- Homogenous raw material feed for consistent thickness, strength and composition
- Precise limits on additives—helps to control costs and quality
- Highly accurate and repeatable recipes
- Interface capabilities with automatic control systems.

Conair blenders and feeders are available in a wide variety of sizes to match most plastics applications. All performance guaranteed.



AN OVERVIEW

FEEDERS AND BLENDERS

PRODUCT/DESCRIPTION	NO. OF INGREDIENTS	MAXIMUM LBS/HR	ESTIMATED ACCURACY
GRAVICON Continuous precision gravimetric blending of free-flowing pellets and powders, regrinds, color concentrate and other granular additives.	4	5,000	0.5%
CONOMIX Continuous volumetric blending of pellets, regrinds, powders, concentrates and liquids.	4	4,000	1.0%
MICROECONOMIX Blending of pellets, regrinds, powders, concentrates and liquids.	4	1,200	1.0%
AUTOCOLOR Batch volumetric loading/blending of virgin, regrind resins with color conc. or dry colors.	4	600	1.5%
METERING BLENDER Continuous volumetric bulk blending of pellets, powders, regrinds and colorants.	6	5,000	2.0%
ADDITIVE METERING FEEDER Volumetric, at-the-throat metering of one or two additives to the flow of virgin or virgin/regrind.	2	600/ingredient	2.0%
PROPORTIONING COLORANT/REGRIND FEEDER Dual, at-the-throat volumetric feeding of color and regrind to virgin.	2	1,000	2.0%

800-654-6661

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The quickest way to get the most from your primary equipment